UNITED STATES KANDA QUADRANGLE DEPARTMENT OF THE INTERIOR WYOMING-SWEETWATER CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 4167 III NE 109°22′30″ 41°37′30″ 109°15′ (PILOT BUTTE) 16 15 14 13 18 17 16 21 22 23 19 24 20 21 28 27 26 25 30 28 29 34 33 35 36 32 31 33 T. 19 N. T. 19 N. T. 18 N. 12 11 10 32'30" 32'30" 16 15 13 18 22 23 24 21 27 25 26 NOTE: Overburden isopachs are not drawn beyond dotted line because of insufficient data. 34 31 41°30′ 109°22′30″ R. 106 W. (FIREHOLE BASIN 1:62 500) Base from U.S. Geological Survey, 1961 2000 3000 4000 5000 6000 5 0 1 KILOMETER WYOMING UTM GRID AND 1961 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

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**EXPLANATION** 

1000 \_\_\_\_\_

OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from surface to top of coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval is 100 feet (31 m) over strippable coal and 200 feet (61 m) beyond the stripping-limit line.

0 782

DRILL HOLE - Showing thickness of overburden, in feet, from surface to top of coal bed.

MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this quadrangle, the 200-foot-overburden isopach). To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

D - D bed of the Fort Union

COAL BED SYMBOL AND NAME

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Dashed where inferred; short dashed where inferred by present authors.

TRACE OF FAULT - Bar and ball on downthrown side when direction of movement is known. Dashed where inferred or approximately located.

To convert feet to meters, multiply feet by 0.3048.

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

COAL RESOURCE OCCURRENCE MAP OF THE KANDA QUADRANGLE,
SWEETWATER COUNTY, WYOMING
BY

BY DAMES & MOORE 1979 PLATE 13

OVERBURDEN ISOPACH AND MINING
RATIO MAP OF THE D COAL BED